

1 BILL NO. S-82-09-28

2 SPECIAL ORDINANCE NO. S-181-82

3 AN ORDINANCE approving Addendum
4 No. 5 to the Engineering Agreement
5 with Reid, Quebe, Allison, Wilcox &
6 Associates, Inc. for the Combined
Sewer Overflow Study, in connection
with the Board of Public Works.

7 WHEREAS, the City of Fort Wayne, Indiana and Reid,
8 Quebe, Allison, Wilcox & Associates, Inc. entered into an
9 Agreement for the Combined Sewer Overflow Study, said Agreement
10 dated June 25, 1979; and

11 WHEREAS, the U.S. Environmental Protection Agency
12 has requested additional computer modeling to be included in
13 said Combined Sewer Overflow Report; and

14 WHEREAS, the City of Fort Wayne is desirous of amending
15 said Agreement dated June 25, 1979 to include these additional
16 services.

17 NOW THEREFORE, BE IT ORDAINED BY THE COMMON COUNCIL OF
18 THE CITY OF FORT WAYNE, INDIANA:

19 SECTION 1. That Addendum No. 5 dated May 12, 1982
20 to the Agreement between the City of Fort Wayne, Indiana, by
21 and through its Mayor and the Board of Public Works and Reid,
22 Quebe, Allison, Wilcox & Associates, Inc., for the Combined
23 Sewer Overflow Study, said Addendum for:

24 the analysis of U.S. Weather Bureau data and
25 extrapolation of appropriate storm frequency
26 data for recurrence intervals less than one
27 year; selection of two design storms in addition
28 to current one and two year frequency design
29 storms; the running of runoff and sewer models
30 for 26 basins on two additional design storms;
31 the determination of "critical alternative"
32 levels for two additional design storms; the
running of sensitivity checks on three design
storms at "critical alternative" levels for
parameters of: river background flows, river
background quality, and CSO quality; the running
of options for "critical alternative" treatment
levels to simulate facility alternatives for
two additional design storms; selection of
the two best solutions for each design storm

1 Page Two

2
3 and the running of these options on all design
4 storms; selection of the best solution based
5 on cost benefit in view of all design storms
6 and sensitive parameters; and the including
7 of two additional design storms' data in the
8 final report and the production of plots of
computer output to aid in the understanding of
results in response to the request by the U.S.
Environmental Protection Agency to include
additional computer modeling in the Combined
Sewer Overflow Report;

9 involving a net increase in the amount of Forty-Nine Thousand
10 Three Hundred Ninety and No/100 Dollars (\$49,390.00), all as
11 more particularly set forth in said Addendum, which is on file
12 in the Office of the Board of Public Works, and is by reference
13 incorporated herein, made a part hereof and is hereby in all
14 things ratified, confirmed and approved. Two copies of said
15 Addendum are on file with the Office of the City Clerk and made
16 available for public inspection, according to law.

17 SECTION 2. That this Ordinance shall be in full force
18 and effect from and after its passage and any and all necessary
19 approval by the Mayor.

20
21 
Councilmember

22 APPROVED AS TO FORM
23 AND LEGALITY

24 
25 Bruce O. Boxberger, City Attorney
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Read the first time in full and on motion by Burns, seconded by Stew, and duly adopted, read the second time by title and referred to the Committee Ed. Miller (and the City Plan Commission for recommendation) and Public Hearing to be held after due legal notice, at the Council Chambers, City-County Building, Fort Wayne, Indiana, on _____, 19____, at _____ o'clock _____ M., E.S.T.

DATE: 9-14-82

Charles W. Westerman
CHARLES W. WESTERMAN - CITY CLERK

Read the third time in full and on motion by Burns, seconded by Burns, and duly adopted, placed on its passage. PASSED (~~LOST~~) by the following vote:

	<u>AYES</u>	<u>NAYS</u>	<u>ABSTAINED</u>	<u>ABSENT</u>	<u>TO-WIT:</u>
<u>TOTAL VOTES</u>	<u>9</u>	_____	_____	_____	_____
<u>BRADBURY</u>	<u>✓</u>	_____	_____	_____	_____
<u>BURNS</u>	<u>✓</u>	_____	_____	_____	_____
<u>EISBART</u>	<u>✓</u>	_____	_____	_____	_____
<u>GIAQUINTA</u>	<u>✓</u>	_____	_____	_____	_____
<u>SCHMIDT</u>	<u>✓</u>	_____	_____	_____	_____
<u>SCHOMBURG</u>	<u>✓</u>	_____	_____	_____	_____
<u>SCRUGGS</u>	<u>✓</u>	_____	_____	_____	_____
<u>STIER</u>	<u>✓</u>	_____	_____	_____	_____
<u>TALARICO</u>	<u>✓</u>	_____	_____	_____	_____

DATE: 9-28-82

Charles W. Westerman
CHARLES W. WESTERMAN - CITY CLERK

Passed and adopted by the Common Council of the City of Fort Wayne, Indiana, as (ZONING MAP) (GENERAL) (ANNEXATION) (SPECIAL)

(APPROPRIATION) ORDINANCE (RESOLUTION) NO. S-181-82
on the 28th day of September, 1982

ATTEST:

(SEAL)

Charles W. Westerman
CHARLES W. WESTERMAN - CITY CLERK

Samuel J. Talarico
PRESIDING OFFICER

Presented by me to the Mayor of the City of Fort Wayne, Indiana, on the 29th day of September, 1982, at the hour of 11:30 o'clock 07 M., E.S.T.

Charles W. Westerman
CHARLES W. WESTERMAN - CITY CLERK

Approved and signed by me this 4th day of October, 1982, at the hour of 10 o'clock A M., E.S.T.

Win Moses, Jr.
WIN MOSES, JR. - MAYOR

Handwritten signature

BILL NO. _____ S-82-09-28 _____

REPORT OF THE COMMITTEE ON _____ CITY UTILITIES _____

WE, YOUR COMMITTEE ON City Utilities TO WHOM WAS REFERRED AN
ORDINANCE approving Addendum No. 5 to the Engineering Agreement
with Reid, Quebe, Allison, Wilcox & Associates, Inc. for the
Combined Sewer Overflow Study, in connection with the Board of
Public Works

HAVE HAD SAID ORDINANCE UNDER CONSIDERATION AND BEG LEAVE TO REPORT
BACK TO THE COMMON COUNCIL THAT SAID ORDINANCE DO PASS.

PAUL M. BURNS - CHAIRMAN

Handwritten signature of Paul M. Burns

MARK E. GIAQUINTA - VICE CHAIRMAN

Handwritten signature of Mark E. Giaquinta

JAMES S. STIER

Handwritten signature of James S. Stier

JANET G. BRADBURY

Handwritten signature of Janet G. Bradbury

ROY J. SCHOMBURG

Handwritten signature of Roy J. Schomburg

9-28-82
CONCURRED IN
DATE _____ CHARLES W. WESTERMAN, C

ADDENDUM NO. 5
TO THE ENGINEERING AGREEMENT OF
REID, QUEBE, ALLISON, WILCOX & ASSOCIATES, INC.
AND THE CITY OF FORT WAYNE

WHEREAS, the Consulting Engineering firm of Reid, Quebe, Allison, Wilcox & Associates, Inc., hereinafter called the "Engineer" has been retained by the City of Fort Wayne, Indiana, hereinafter called the "Owner," under an Agreement dated June 25, 1979; and

WHEREAS, the U.S. EPA has requested additional computer modeling to be included in the Combined Sewer Overflow report; and

WHEREAS, the Owner desires the Agreement be modified to include these additional services;

NOW THEREFORE, the Owner and the Engineer mutually agree that the Agreement is hereby modified as hereinafter set forth.

SECTION 1
SCOPE OF WORK

- 1.1 In addition to services required pursuant to the Agreement, as amended, the Engineer shall:
 - 1.1.1 Analyze U.S. Weather Bureau data and extrapolate appropriate storm frequency data for recurrence intervals less than one year. Select two design storms (less than one year frequency) in addition to current one and two year frequency design storms.
 - 1.1.2 Run runoff and sewer models for 26 basins on two additional design storms (less than one year).
 - 1.1.3 Determine "critical alternative" levels (i.e., mass loadings) for two additional design storms (plus one year design storm).
 - 1.1.4 Run sensitivity checks on three design storms at "critical alternative" levels for parameters of: river background flows (30-70% exceedence levels), river background quality (DO, BOD, NH₃, temp, Fecals), CSO quality (DO, BOD, HN₃, temp, Fecals).

- 1.1.5 Run options for "critical alternative" treatment levels to simulate facility alternatives for two additional design storms (estimate of six options for each "critical alternative" level of treatment). Include runs of sewer model for options which include in-line storage.
- 1.1.6 Select two "best" solutions for each design storm and run these options on all design storms (including one and two year frequency storms).
- 1.1.7 Select "best" solution based on cost benefit in view of all design storms and sensitive parameters.
- 1.1.8 Include two additional design storm's data in final report. Produce plots of computer output to aid in understanding results.

SECTION 2 PAYMENT DUE THE ENGINEER

- 2.1 In compensation for the services rendered the Owner will make payments to the Engineer in the manner described in the Basic Agreement.
- 2.2 Due to the increased scope of work required by this Addendum, the maximum amounts payable to the Engineer for the services provided shall be increased according to the following schedule:

	<u>Basic Agreement Plus Addenda Nos. 1-4</u>	<u>Addendum No. 5</u>	<u>Total</u>
Professional Services not Including Fixed Fee	\$338,806	\$49,390	\$388,196
Fixed Fee	47,956	-0-	47,956
	<u>\$386,762</u>	<u>\$49,390</u>	<u>\$436,152</u>

SECTION 3 TIME OF COMPLETION

- 3.1 The Engineer shall complete the Work as detailed in the Basic Agreement, as amended, within 120 calendar days of receipt of written authorization to proceed for this Addendum.

IN WITNESS THEREOF, the parties hereto have executed this Addendum No. 5 on the 13 day of May, 1987 and set their hands below:

ENGINEER:

CITY OF FORT WAYNE, INDIANA
BOARD OF PUBLIC WORKS:

REID, QUEBE, ALLISON, WILCOX
& ASSOCIATES, INC.

William F. Quebe
William F. Quebe, Chairman of the Board

[Signature]
[Signature]

ATTEST:

J. Edward Doyle
J. Edward Doyle, Secretary-Treasurer

[Signature]

ATTEST:

Sandra E. Kennedy

COST OR PRICE SUMMARY FORMAT FOR SUBAGREEMENTS UNDER U.S. EPA GRANTS
(See accompanying instructions before completing this form)

Form Approved
OMB No. 158-R0144

PART I-GENERAL

1. GRANTEE City of Fort Wayne, Indiana		2. GRANT NUMBER
3. NAME OF CONTRACTOR OR SUBCONTRACTOR Reid, Quebe, Allison, Wilcox & Associates, Inc.		4. DATE OF PROPOSAL November 4, 1981
5. ADDRESS OF CONTRACTOR OR SUBCONTRACTOR (Include ZIP code) Reid, Quebe, Allison, Wilcox & Assoc., Inc. 3901 Industrial Boulevard Indianapolis, IN 46254		6. TYPE OF SERVICE TO BE FURNISHED Engineering Services for Fort Wayne CSO Study

PART II-COST SUMMARY

7. DIRECT LABOR (Specify labor categories)	ESTI- MATED HOURS	HOURLY RATE	ESTIMATED COST	TOTALS
		\$	\$	
DIRECT LABOR TOTAL:			\$	-0-
8. INDIRECT COSTS (Specify indirect cost pools)	RATE	× BASE =	ESTIMATED COST	
		\$	\$	
INDIRECT COSTS TOTAL:			\$	-0-
9. OTHER DIRECT COSTS				
a. TRAVEL			ESTIMATED COST	
(1) TRANSPORTATION			\$	
(2) PER DIEM			\$	
TRAVEL SUBTOTAL:			\$	
b. EQUIPMENT, MATERIALS, SUPPLIES (Specify categories)		QTY	COST	ESTIMATED COST
			\$	\$
EQUIPMENT SUBTOTAL:				
c. SUBCONTRACTS			ESTIMATED COST	
EMA, Inc.			\$49,390	
SUBCONTRACTS SUBTOTAL:			\$49,390	
d. OTHER (Specify categories)			ESTIMATED COST	
			\$	
OTHER SUBTOTAL:			\$	
e. OTHER DIRECT COSTS TOTAL:				\$ 49,390
10. TOTAL ESTIMATED COST				\$ 49,390
11. PROFIT				\$ -0-
12. TOTAL PRICE				\$ 49,390

[illegible]

14. CONTRACTOR

☒ YES ☐ NO (If "Yes" give name address and telephone number of reviewing office)

Indianapolis Department of Public Works
2460 City-County Building
Indianapolis, IN 46204

14b. THIS SUMMARY CONFORMS WITH THE FOLLOWING COST PRINCIPLES

41 CFR 1-15.4

145.

This proposal is submitted for use in connection with and in response to (1) request for addendum

_____ . This is to certify to the best of my knowledge and belief that the cost and pricing data summarized herein are complete, current, and accurate as of _____.

(2) November 5, 1981 and that a financial management capability exists to fully and accurately account for the financial transactions under this project. I further certify that I understand that the subagreement price may be subject to downward renegotiation and/or recoupment where the above cost and pricing data have been determined, as a result of audit, not to have been complete, current and accurate as of the date above.

(3) November 9, 1981
DATE OF EXECUTION

Ronald E. Premier
SIGNATURE OF PROPOSER

Vice President

TITLE OF PROPOSER

14. GRANTEE REVIEWER

I certify that I have reviewed the cost/price summary set forth herein and the proposed costs/price appear acceptable for subagreement award.

DATE OF EXECUTION

SIGNATURE OF REVIEWER

TITLE OF REVIEWER

16. EPA REVIEWER (If applicable)

DATE OF EXECUTION

SIGNATURE OF REVIEWER

TITLE OF REVIEWER

PART III - PRICE SUMMARY

[illegible]

PART IV - CERTIFICATIONS

14. CONTRACTOR

14a. HAS A FEDERAL AGENCY OR A FEDERALLY CERTIFIED STATE OR LOCAL AGENCY PERFORMED ANY REVIEW OF YOUR ACCOUNTS OR RECORDS IN CONNECTION WITH ANY OTHER FEDERAL GRANT OR CONTRACT WITHIN THE PAST TWELVE MONTHS

☒ YES ☐ NO (If "Yes" give name address and telephone number of reviewing office)

Ernst & Whinney
For City of Indianapolis, IN
Contact: T.P. Fischer - 317/635-6393

14b. THIS SUMMARY CONFORMS WITH THE FOLLOWING COST PRINCIPLES

CFR 41-1-15.2 & 15.4 and generally accepted accounting principles.

14c.

This proposal is submitted for use in connection with and in response to (1) Request for Proposal

_____. This is to certify to the best of my knowledge and belief that the cost and pricing data summarized herein are complete, current, and accurate as of _____.

(2). October 26, 1981 and that a financial management capability exists to fully and accurately account for the financial transactions under this project. I further certify that I understand that the subagreement price may be subject to downward renegotiation and/or recoupment where the above cost and pricing data have been determined, as a result of audit, not to have been complete, current and accurate as of the date above.

(3) October 26, 1981

DATE OF EXECUTION

SIGNATURE OF PROPOSER

Tom G. Stire
Vice President

TITLE OF PROPOSER

14. GRANTEE REVIEWER

I certify that I have reviewed the cost/price summary set forth herein and the proposed costs/price appear acceptable for subagreement award.

May 12, 1982
DATE OF EXECUTION

DATE OF EXECUTION

SIGNATURE OF REVIEWER

CHAIRMAN, BOARD OF WORKS
TITLE OF REVIEWER

TITLE OF REVIEWER

16. EPA REVIEWER (If applicable)

DATE OF EXECUTION

SIGNATURE OF REVIEWER _____

TITLE OF REVIEWER

COST OR PRICE SUMMARY FORMAT FOR SUBAGREEMENTS UNDER U.S. EPA GRANTS
 (See accompanying instructions before completing this form)

 Form Approved
 OMB No. 158-R0144
PART I-GENERAL

1. GRANTEE City of Fort Wayne, Indiana		2. GRANT NUMBER
3. NAME OF CONTRACTOR OR SUBCONTRACTOR EMA, Inc.		4. DATE OF PROPOSAL October 26, 1981
5. ADDRESS OF CONTRACTOR OR SUBCONTRACTOR (Include ZIP code) 270 Metro Square Bldg. St. Paul, MN 55101		6. TYPE OF SERVICE TO BE FURNISHED Modeling and Computer Services. Additional Design Storms and Related Activities Amendment

PART II-COST SUMMARY

7. DIRECT LABOR (Specify labor categories)	ESTIMATED HOURS	HOURLY RATE	ESTIMATED COST	TOTALS
EMA CLASSIFICATION A	10	\$ 24.20	\$ 242	
EMA CLASSIFICATION B	30	17.47	524	
EMA CLASSIFICATION C	560	13.73	7,689	
EMA CLASSIFICATION D	300	10.82	3,246	
DIRECT LABOR TOTAL:				\$ 11,701
8. INDIRECT COSTS (Specify indirect cost pools)	RATE	x BASE =	ESTIMATED COST	
Overhead	120%	\$ 11,701	\$ 14,041	
INDIRECT COSTS TOTAL:				\$ 14,041
9. OTHER DIRECT COSTS				
a. TRAVEL			ESTIMATED COST	
(1) TRANSPORTATION			\$ 700	
(2) PER DIEM			\$ 600	
TRAVEL SUBTOTAL:			\$ 1,300	
b. EQUIPMENT, MATERIALS, SUPPLIES (Specify categories)		QTY	COST	ESTIMATED COST
Computer time/output			\$	\$ 9,500
EQUIPMENT SUBTOTAL:				9,500
c. SUBCONTRACTS			ESTIMATED COST	
Dr. C.S. Song			\$ 1,200	
University of Minnesota - St. Anthony Falls Hydraulic Lab			5,216	
SUBCONTRACTS SUBTOTAL:			\$ 6,416	
d. OTHER (Specify categories)			ESTIMATED COST	
			\$	
OTHER SUBTOTAL:			\$	
e. OTHER DIRECT COSTS TOTAL:			\$	\$ 17,216
10. TOTAL ESTIMATED COST				\$ 42,958
11. PROPOSER Fixed Fee				\$ 6,432
12. TOTAL PRICE				\$ 49,390

PART IV - CERTIFICATIONS

PAGE 2 OF 2

ESTIMATE BACKUP

FORT WAYNE: AMENDMENT FOR ADDITIONAL DESIGN STORM MODELING

<u>ACTIVITY</u>	<u>HOURS</u>			<u>COMPUTER COSTS</u>
	<u>EMA</u>	<u>SAFHL</u>	<u>SONG</u>	
1	40		5	
2	300	240	10	\$3,000
3	160			1,500
4	80			1,000
5	200	80	10	2,500
6				1,000
7	40		5	
8	<u>80</u>	<u> </u>	<u> </u>	<u>500</u>
	900	320	30	\$9,500

TRAVEL: Two fares (HSP-FTW) @ \$350 = \$ 700
6 per diem @ \$100 (car, room, meals, park, phone) = \$ 600
\$1,300

TITLE OF ORDINANCE Agreement for the Combined Sewer Overflow Study

DEPARTMENT REQUESTING ORDINANCE Board of Public Works

8-82-09-28

SYNOPSIS OF ORDINANCE The U. S. EPA has requested additional computer modeling to be included in the Combined Sewer Overflow report, therefore, this addendum #5 will modify the Agreement to include the following additional services: 1) analyze U.S. Weather Bureau data and extrapolate appropriate storm frequency data for recurrence intervals less than one year; select two design storms in addition to current one and two year frequency design storms; 2) run runoff and sewer models for 26 basins on two additional design storms; 3) determine "critical alternative" levels for two additional design storms; 4) run sensitivity checks on three design storms at "critical alternative" levels for parameters of: river background flows, river background quality, CSO quality; 5) run options for "critical alternative" treatment levels to simulate facility alternatives for two additional design storms; 6) select two best solutions for each design storm and run these options on all design storms; 7) select best solution based on cost benefit in view of all design storms and sensitive parameters; 8) include two additional design storm's data in final report and produce plots of computer output to aid in understanding results.

EFFECT OF PASSAGE comply with EPA request

EFFECT OF NON-PASSAGE above will not be completed

MONEY INVOLVED (DIRECT COSTS, EXPENDITURE, SAVINGS) \$49,390.00 increase

New Total - \$436,152.00

ASSIGNED TO COMMITTEE _____